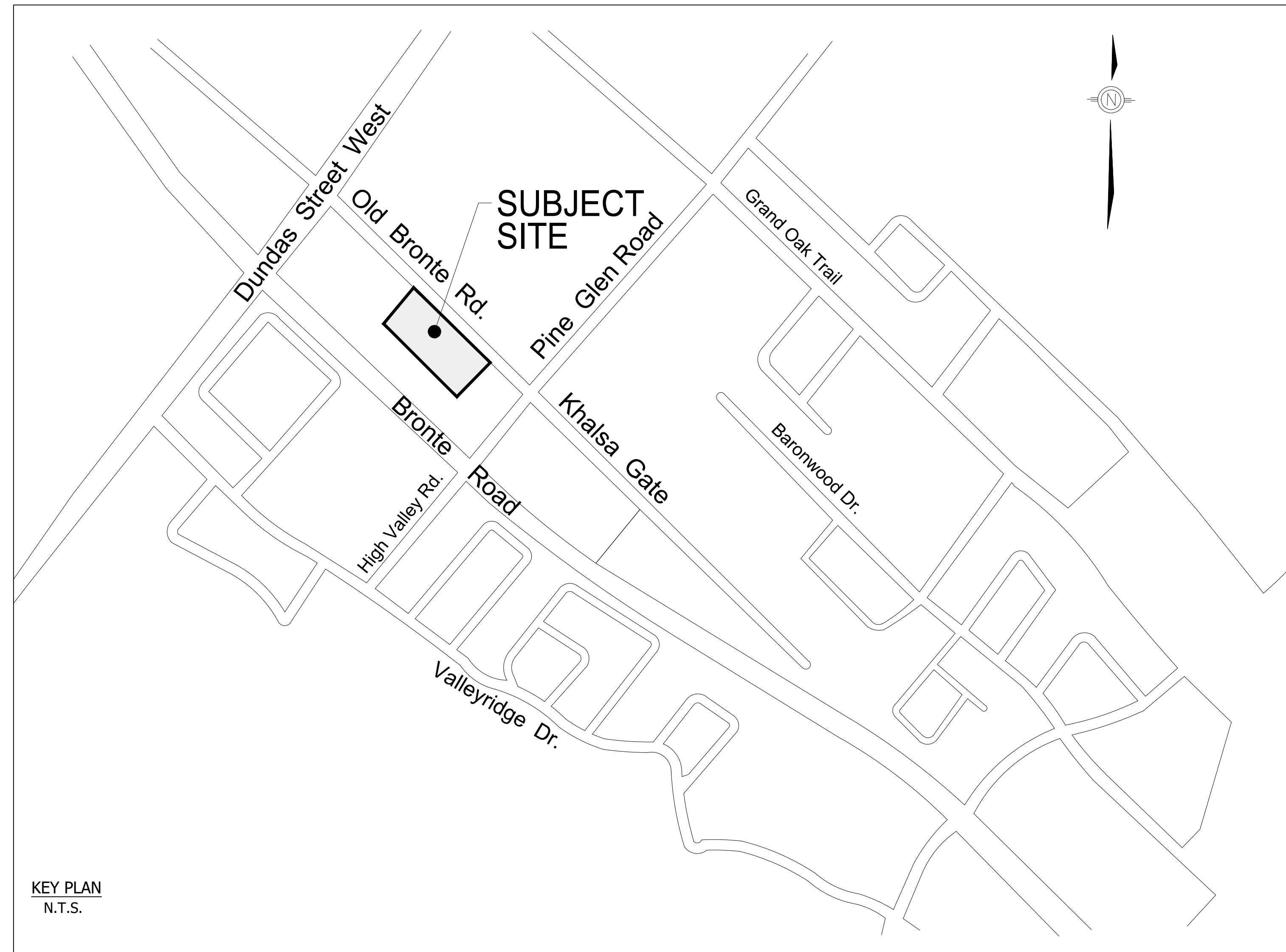


REGIONAL MUNICIPALITY OF HALTON  
**THE BRANCH**  
 2444 - 2648 OLD BRONTE ROAD

**LIST OF DRAWINGS**

- SS1 SITE SERVICING PLAN
- SG1 SITE GRADING PLAN
- SG2 SITE CROSS SECTIONS

**AS CONSTRUCTED DRAWING**  
 Contractor: HDCS  
 Work Commenced: April 2022  
 Work Completed: September 2022  
 Inspector: Stewart Roulston/Sudip Roy  
 Consulting Firm Diary: 17-538

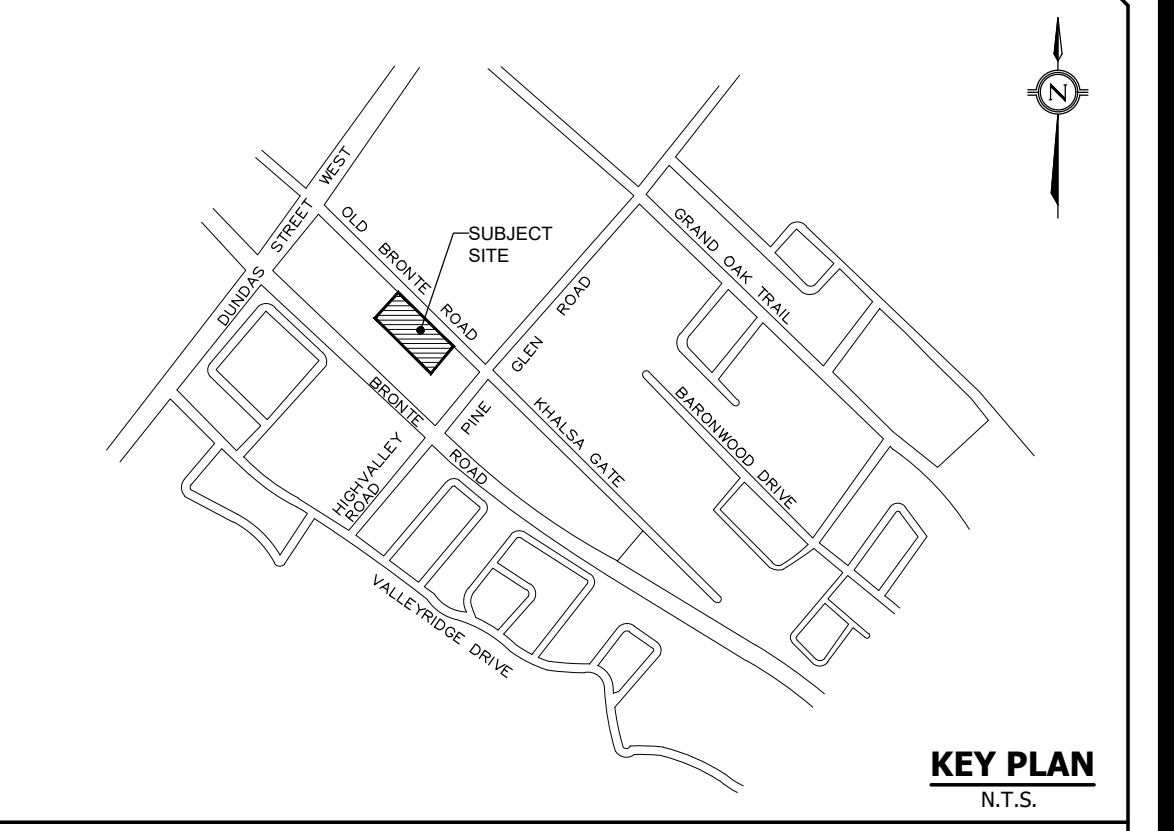
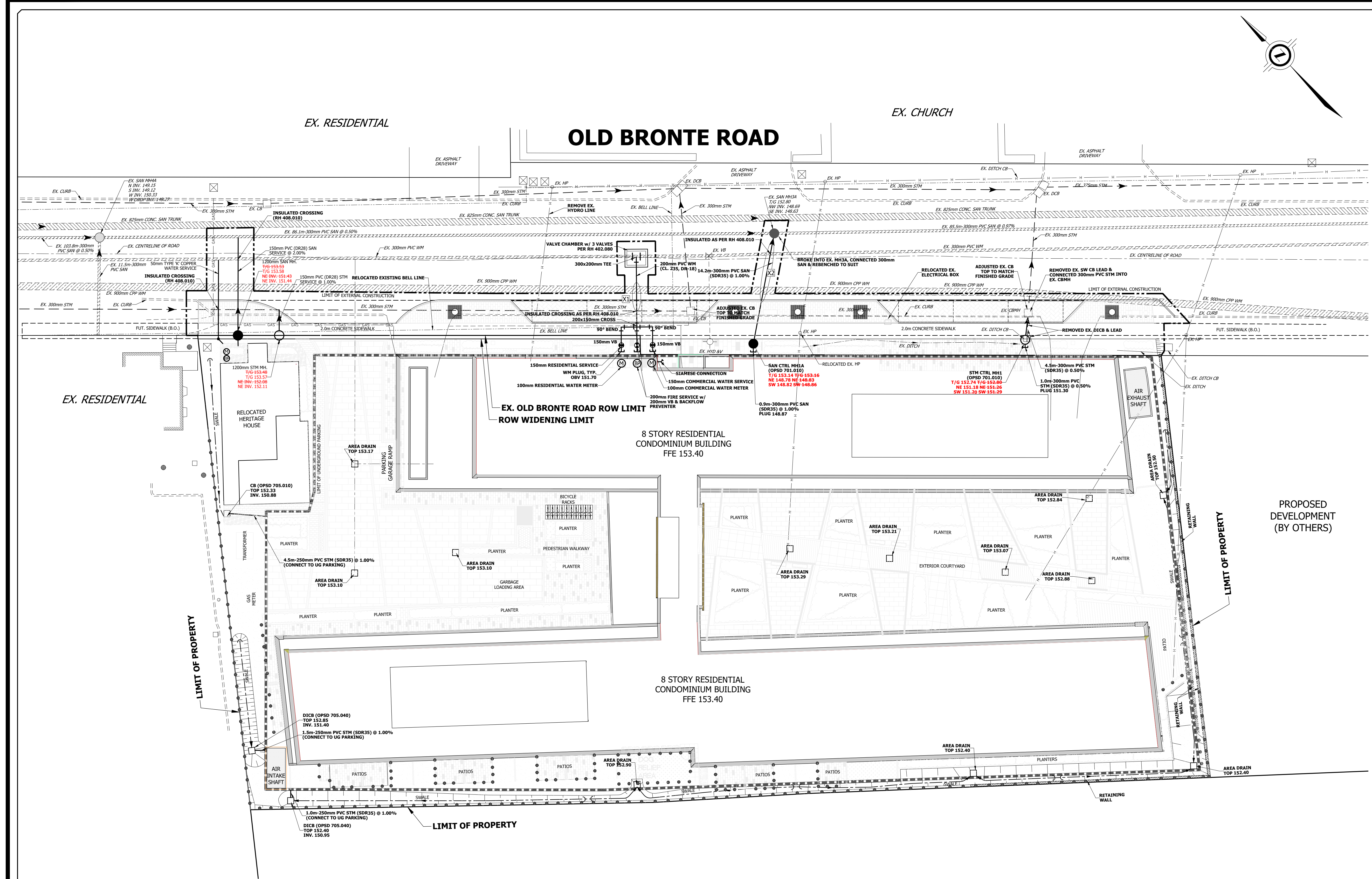


**THE REGIONAL  
 MUNICIPALITY  
 OF HALTON**



OWNER :  
**ZANCOR OAKVILLE LTD.**  
 221 North Rivermede Road  
 Concord, ON L4K 3N7





- LEGEND**
- EXISTING SANITARY MANHOLE
  - EXISTING STORM MANHOLE
  - EXISTING WATERMAIN
  - STORM SEWER AND MANHOLE
  - SANITARY SEWER AND MANHOLE
  - WATERMAIN
  - WATER SERVICE CONNECTION
  - SINGLE STM. & SAN. SERVICE CONNECTION
  - ↑ HYDRANT & VALVE
  - ⊕ WATER VALVE
  - ⊕ WATER VALVE AND BOX
  - SINGLE CATCHBASIN
  - DOUBLE CATCHBASIN
  - ⊕ TREE GRATE
  - ⊕ 100mm WATER METER
  - ⊕ BACKFLOW PREVENTER
  - GAS MAIN (APPROXIMATE, VERIFY PRIOR TO CONSTRUCTION)

- EXTERNAL SERVICING NOTES: (OLD BRONTE ROAD)**
- THE LOCATION OF ALL UNDERGROUND, ABOVE GROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THIS DRAWING, AND WHERE SHOWN THE ACCURACY OF THE LOCATION AND ELEVATION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. PRIOR TO APPROVAL OF DRAWINGS, THE CONTRACTOR SHALL VERIFY EXACT LOCATION AND ELEVATION OF SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITIES OF DAMAGE. PRE-APPROVED METHOD OF SUPPORT FOR EXISTING UTILITIES, REQUIRED PRIOR TO CONSTRUCTION, ALL UTILITIES MUST BE PRESENT DURING EXCAVATION.
  - SERVICING TRENCHES WILL BE SUPPORTED BY VERTICAL TRENCH BOX OR AN ALTERNATIVE APPROVED METHOD OF SHORING TO MINIMIZE EXTERNAL DISTURBANCE AREA. TRENCHES TO BE BACKFILLED AS PER TOWN STANDARDS, WITH GRANULAR MATERIAL OR AS APPROVED AND AS DIRECTED BY DEVELOPMENT ENGINEERING INSPECTIONS STAFF UP TO THE EXISTING ROAD SUB-BASE.
  - ALL WATER AND SANITARY TAPS TO EXISTING INFRASTRUCTURE ON OLD BRONTE ROAD TO BE PERFORMED BY REGION OF HALTOUN FORCES ONLY.
  - BOULEVARD AREAS DISTURBED DURING CONSTRUCTION OF EXTERNAL SERVICES ARE TO BE RESTORED TO ORIGINAL CONDITION OR BETTER, WITH A MINIMUM 150mm DEPTH OF TOPSOIL AND SOD TO THE SATISFACTION OF THE TOWN OF OAKVILLE.
  - EXISTING CURBS AND SIDEWALKS REMOVED DURING CONSTRUCTION OF EXTERNAL SERVICES TO BE RESTORED AS PER TOWN STANDARDS 6-1 (ONE STAGE) AND 6-3 RESPECTIVELY WITHIN MUNICIPAL ROAD ALLOWANCES, AND BARRIER CURB AS PER OPSD 600.1.10 WITHIN PRIVATE PROPERTY.
  - ORIGINAL ROAD PAVEMENT STRUCTURE ARE TO BE RESTORED AS FOLLOWS:  
40mm H.L. ASPHALT  
80mm H.L. ASPHALT  
150mm GRANULAR A  
350mm GRANULAR B

**BENCHMARK**

BEARINGS SHOWN HEREON ARE UTM GRID AND ARE REFERRED TO THE SOUTHERLY LIMIT OF OLD BRONTE ROAD, AS SHOWN ON PLAN 20R-20818, HAVING A BEARING OF N46°16'05"W.

ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE RELATED TO TOWN OF OAKVILLE BENCH MARK No. 273, HAVING AN ELEVATION OF 154.275 METRES.

No.	REVISION	DATE	BY
8	AS CONSTRUCTED (URBANTECH)	23-01-17	M.H.
7	ADDED VALVE CHAMBER	22-04-19	S.R.
6	UPDATED FINAL SUBMISSION	20-02-27	M.L.
5	FINAL SUBMISSION	19-09-04	S.R.
4	3RD SUBMISSION	19-04-25	S.R.
3	REGIONAL SERVICING PERMIT	19-04-23	S.R.
No.	REVISION	DATE	BY

**THE BRANCH**  
2444 - 2468 OLD BRONTE ROAD

**REGIONAL MUNICIPALITY OF HALTON**  
**TOWN OF OAKVILLE**

TOWN FILE NO. SP.#1431.020/01	REGION FILE NO.
MUNICIPAL	REGIONAL
APPROVED IN PRINCIPAL SUBJECT TO DETAIL CONSTRUCTION CONFORMING TO TOWN STANDARDS AND SPECIFICATIONS.	SEE REGIONAL APPROVAL BLOCK ON THIS DWG.
SIGNED: _____ DATE: _____ MANAGER OF DEVELOPMENT ENGINEERING	

**urbantech**  
Urbanotech Consulting, A Division of Lighthouse-Zac Ltd.  
3760 14th Avenue, Suite 301, Markham, Ontario L3R 3T7  
Tel: 905.946.9461 Fax: 905.946.9599  
www.urbantech.com

**SITE SERVICING PLAN**

DESIGNED: S.R. CHECKED: D.Z. PROJECT No.: 17-538  
DRAWN: S.R. DATE: APRIL 2019 SHEET No.:  
SCALE: 1:250 DRAWING No.: SS1

REGIONAL APPROVAL

REGION DESIGN OF WATER &/OR WASTEWATER SERVICES APPROVED SUBJECT TO DETAIL CONSTRUCTION CONFORMING TO HALTON REGION STANDARDS & SPECIFICATIONS & LOCATION APPROVAL FROM AREA MUNICIPALITY.

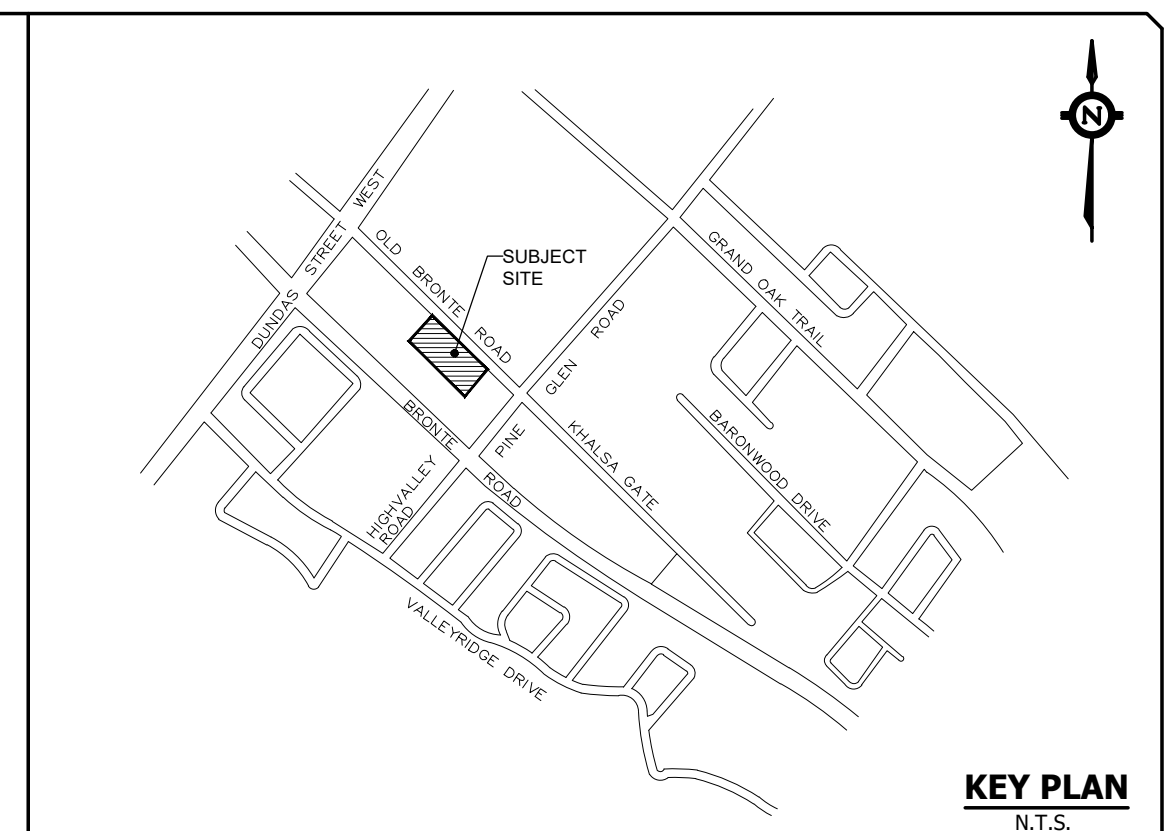
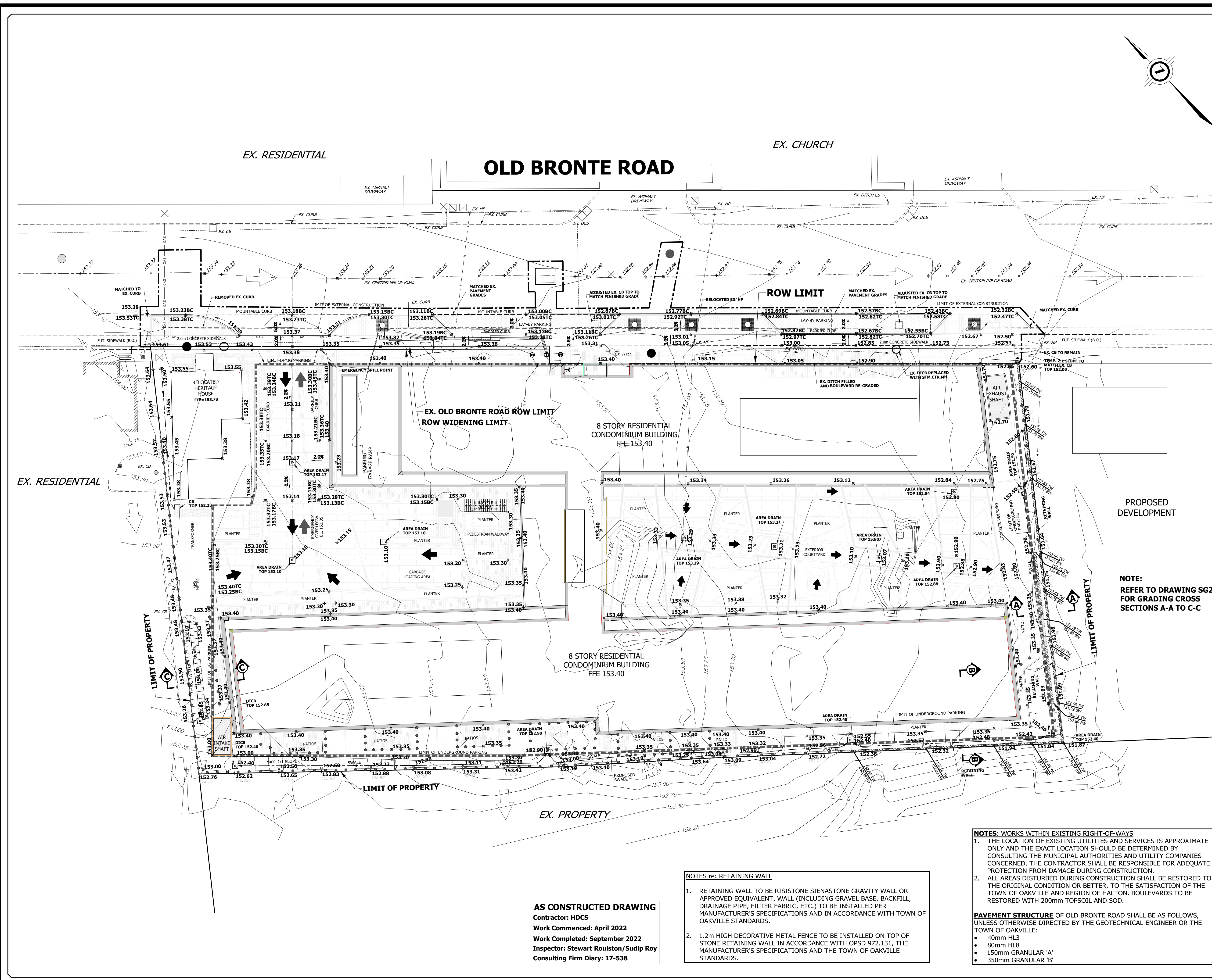
SIGNED: \_\_\_\_\_ DATED: \_\_\_\_\_  
INFRASTRUCTURE PLANNING & POLICY

The Applicant should be aware that the approval of the water system on private property is the responsibility of the Local Municipality. Regardless, the Applicant must ensure that the Region of Halton's standards and specifications are met (the *Water and Wastewater Linear Design Manual* may be obtained from the Data Management Group at 905-825-6032). Furthermore, all water quality tests must be completed to the Region of Halton's satisfaction, before the water supply can be turned on.

**AS CONSTRUCTED DRAWING**  
Contractor: HDCS  
Work Commenced: April 2022  
Work Completed: September 2022  
Inspector: Stewart Roulston/Sudip Roy  
Consulting Firm Diary: 17-538

CROSSING X1			
200mm WM	EX. 900mm WM	EX. 300mm STM	
INV 150.85	INV 149.45	INV 151.23	
OBV 151.05	OBV 150.35±	OBV 151.53	
CROSSING X2			
300mm SAN	EX. 900mm WM	EX. 300mm WM	300mm STM
INV 148.76	INV 149.40	INV 150.35	INV 151.15
OBV 149.06	OBV 150.30	OBV 150.65	OBV 151.45





- LEGEND**
- 247.00 EXISTING CONTOUR AND ELEVATION
  - 152.55 EXISTING ELEVATION
  - 153.45 PROPOSED ELEVATION
  - EXISTING SANITARY MANHOLE
  - SANITARY MANHOLE
  - PROPOSED STORM MANHOLE
  - SINGLE CATCHBASIN/DITCH INLET CATCHBASIN/AREA DRAIN
  - DOUBLE CATCHBASIN
  - HYDRANT & VALVE
  - WATER VALVE
  - WATER VALVE AND BOX
  - MAXIMUM 3:1 SLOPE (UNLESS NOTED OTHERWISE)
  - SWALE
  - EXISTING OVERLAND FLOW ROUTE DIRECTION
  - PROPOSED OVERLAND FLOW ROUTE DIRECTION
  - EMERGENCY FLOW ROUTE DIRECTION
  - TREE GRATE
  - EX. GAS MAIN (APPROXIMATE, VERIFY PRIOR TO CONSTRUCTION)

- GENERAL NOTES:**
1. STANDARD DRAWINGS AND SPECIFICATIONS OF THE TOWN OF OAKVILLE AND THE REGION OF HALTON SHOULD BE READ IN CONJUNCTION WITH THE INFORMATION HEREIN.
  2. MATERIAL SUBSTITUTIONS MUST HAVE PRIOR APPROVAL OF THE ENGINEER, TOWN OF OAKVILLE AND REGION OF HALTON AND ANY OTHER REGULATORY AGENCIES HAVING JURISDICTION.
  3. EXISTING INFORMATION TAKEN FROM TOPOGRAPHIC SURVEY PROVIDED BY J.H. GELBLOOM SURVEYING, ONTARIO LAND SURVEYORS.
  4. NO READING IS TO BE DONE TO SPREADSHEETS OR MANHOLES TO BE 90% S.P.M.D.D. AND SHALL BE COMPACTED MECHANICALLY.
  5. COMPACTION OF GRANULAR MATERIAL AND MANHOLES TO BE 90% S.P.M.D.D. AND SHALL BE COMPACTED MECHANICALLY.
  6. ROOF LEAKAGE IS TO BE DISCHARGED TO STORM DRAINAGE PER TOWN OF OAKVILLE STANDARD 10-1.
  7. SEWER BEHINDING IS TO BE AS PER TOWN OF OAKVILLE STANDARDS AND GEOTECHNICAL REPORT.
  8. FILL AREAS GREATER THAN 150mm WITHIN MANHOLES, EXIST-FLOW ARE SUBJECT TO CONSTRUCTION TESTS TO ACHIEVE 100% S.P.M.D.D.
  9. SET MANHOLE AND CATCHBASIN TOPS WITH H-3 ASPHALT AND ARE TO BE ADJUSTED TO FINAL GRADE PRIOR TO PLACING FINAL LIFT OF ASPHALT.
  10. TOWN OF OAKVILLE STANDARD 6-1 TO BE USED FOR CURB AND GUTTER UNLESS OTHERWISE NOTED.
  11. TOWN OF OAKVILLE STANDARD 6-2 TO BE USED FOR ALL SIDEWALKS. SIDEWALK EXPANSIONS TO BE INSTALLED AT INTERSECTIONS. INTERSECTION PAVED TO BE 75mm UNLESS OTHERWISE NOTED.
  12. PAVEMENT STRUCTURES ARE AS PER TOWN STANDARD 7-2.
  13. DRAINAGE (DRAINAGE)
  14. 150mm H-3 H-3 ASPHALT SURFACE COURSE
  15. 150mm CRESHER RUN STONE - SUB-BASE
  16. TO BE REFINISHED WITH A GEOTECHNICAL ENGINEER OR ANE MATERIALS ENGINEERING
  17. ANY ORGANIC MATERIAL OR TOPSOIL WITH FUTURE ROAD ALLOWANCES SHALL BE STRIPPED PRIOR TO CONSTRUCTION.
  18. ALL TRENCHES WITHIN EXISTING R.O.W. TO BE BACKFILLED WITH GRANULAR MATERIAL AND COMPACTED TO 90% S.P.M.D.D.
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**BENCHMARK**  
 BEARINGS SHOWN HEREON ARE UTM GRID AND ARE REFERRED TO THE SOUTHERLY LIMIT OF OLD BRONTE ROAD, AS SHOWN ON PLAN 20R-20818, HAVING A BEARING OF N46°15'05"W.  
 ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE RELATED TO TOWN OF OAKVILLE BENCH MARK NO. 273, HAVING AN ELEVATION OF 154.275 METRES.

No.	REVISION	DATE	BY
6	AS CONSTRUCTED (URBANTECH)	23-01-19	M.H.
5	UPDATED FINAL SUBMISSION	20-02-27	M.L.
4	FINAL SUBMISSION	19-09-04	S.R.
3	3RD SUBMISSION	19-04-25	S.R.
2	2ND SUBMISSION	18-12-20	S.R.
No.	REVISION	DATE	BY

**THE BRANCH**  
 2444 - 2468 OLD BRONTE ROAD  
 REGIONAL MUNICIPALITY OF HALTON  
 OAKVILLE **TOWN OF OAKVILLE**

TOWN FILE NO. SP.#1431.020/01 REGION FILE NO.  
 MUNICIPAL REGIONAL  
 APPROVED IN PRINCIPAL SUBJECT TO DETAIL CONSTRUCTION CONFORMING TO HALTON STANDARDS AND SPECIFICATIONS.  
 SIGNED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 MANAGER OF DEVELOPMENT ENGINEERING LEGISLATIVE AND PLANNING SERVICES

**urbantech**  
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**PROFESSIONAL ENGINEER**  
 S.B. RIEMER  
 100214712  
 JAN 19, 2023  
 PROVINCE OF ONTARIO

**SITE GRADING PLAN**

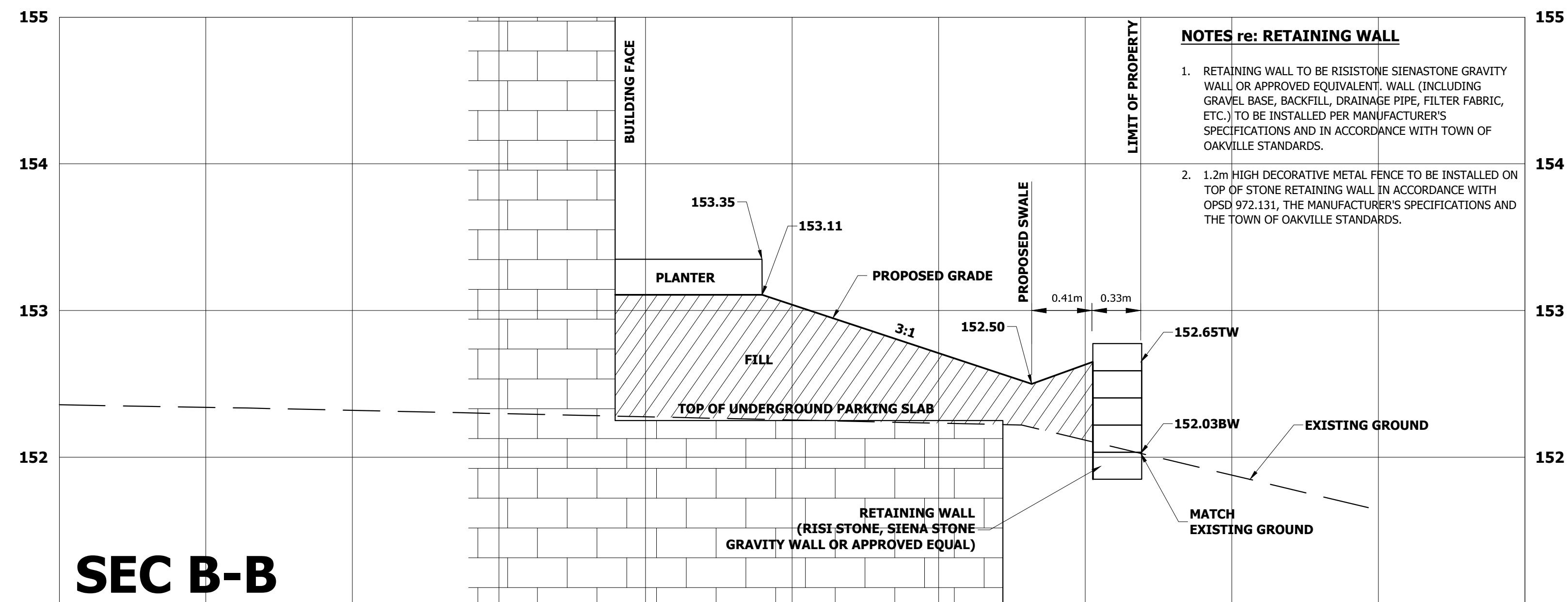
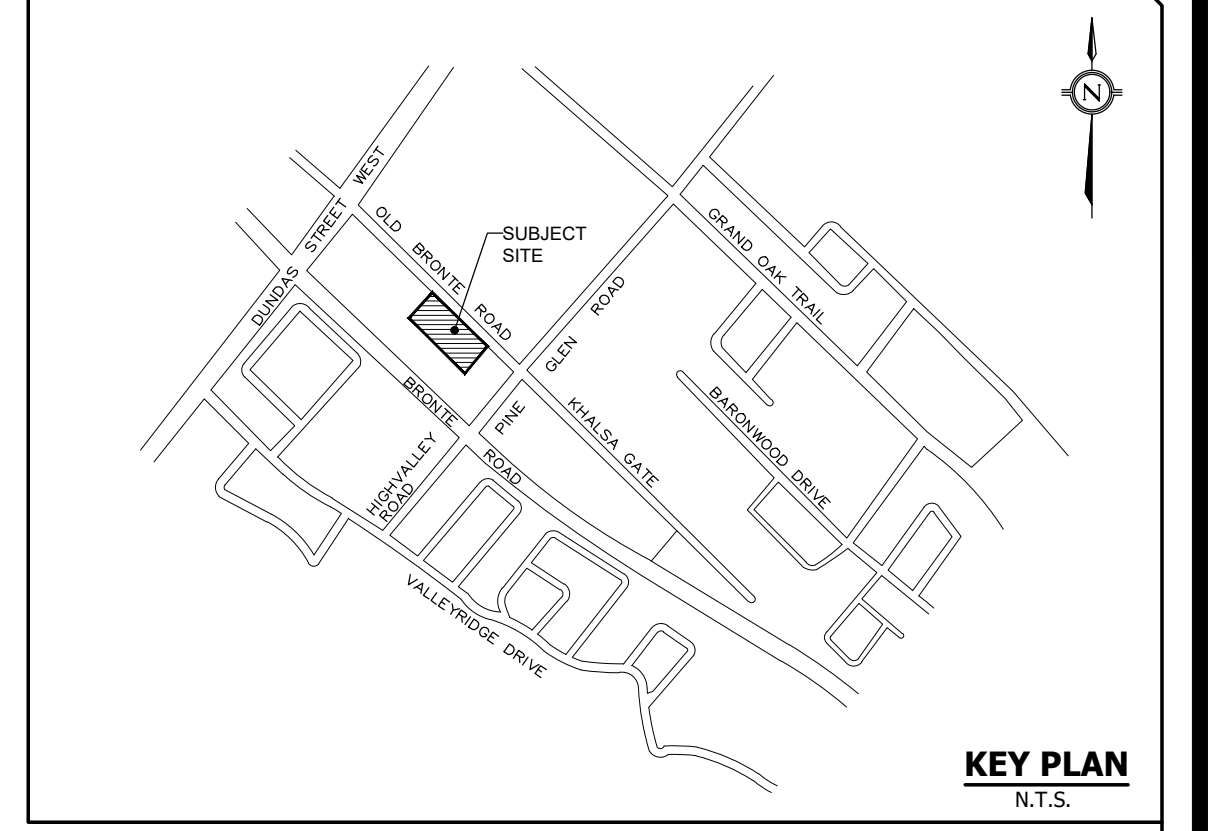
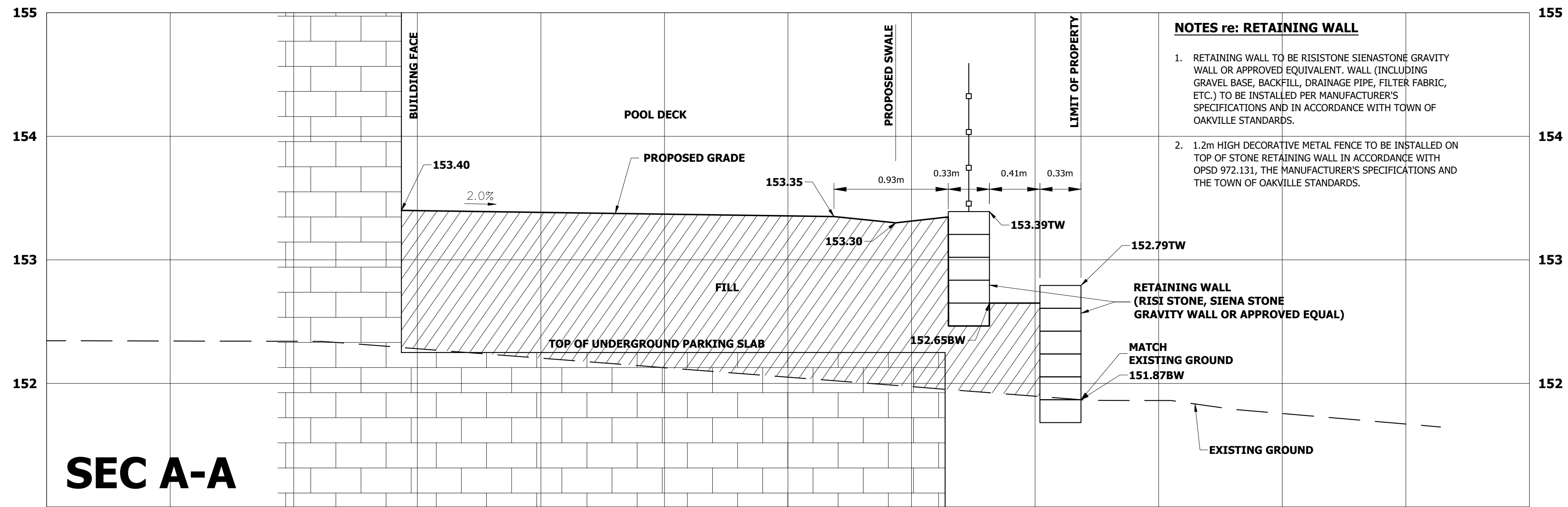
DESIGNED:	S.R.	CHECKED:	D.Z.	PROJECT No.:	17-538
DRAWN:	S.R.	DATE:	DECEMBER 2018	SHEET No.:	
SCALE:	1:250	DRAWING No.:	SG1		

**AS CONSTRUCTED DRAWING**  
 Contractor: HDCS  
 Work Commenced: April 2022  
 Work Completed: September 2022  
 Inspector: Stewart Roulston/Sudip Roy  
 Consulting Firm Diary: 17-538

- NOTES re: RETAINING WALL**
1. RETAINING WALL TO BE RISISTONE SIENASTONE GRAVITY WALL OR APPROVED EQUIVALENT. WALL (INCLUDING GRAVEL BASE, BACKFILL, DRAINAGE PIPE, FILTER FABRIC, ETC.) TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND IN ACCORDANCE WITH TOWN OF OAKVILLE STANDARDS.
  2. 1.2m HIGH DECORATIVE METAL FENCE TO BE INSTALLED ON TOP OF STONE RETAINING WALL IN ACCORDANCE WITH OPSD 972.131, THE MANUFACTURER'S SPECIFICATIONS AND THE TOWN OF OAKVILLE STANDARDS.

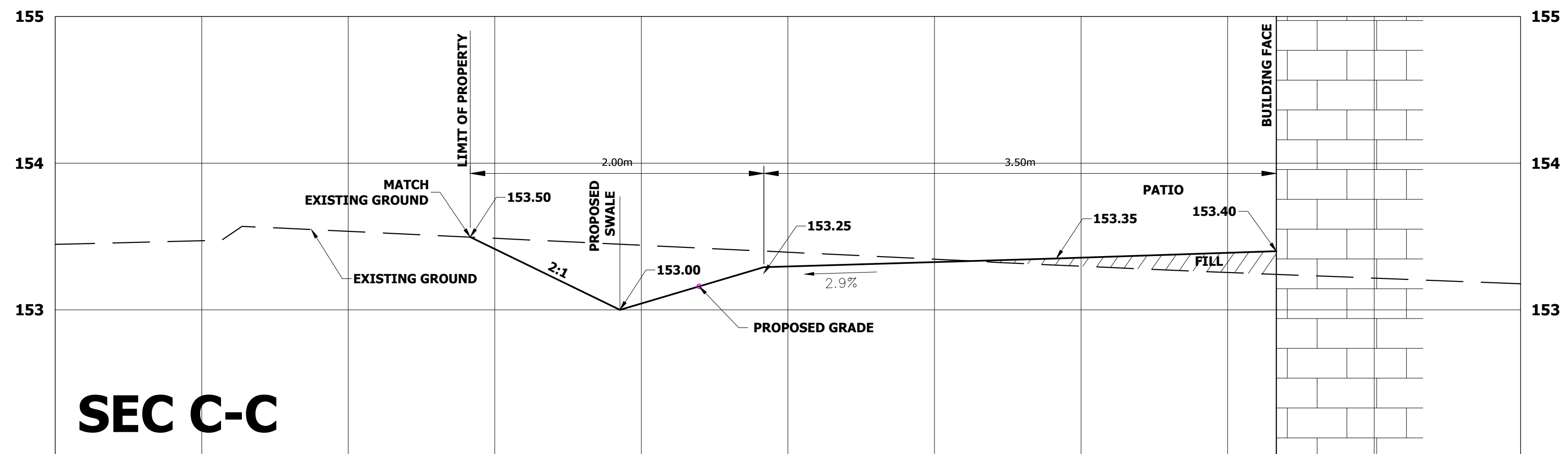
- NOTES: WORKS WITHIN EXISTING RIGHT-OF-WAYS**
1. THE LOCATION OF EXISTING UTILITIES AND SERVICES IS APPROXIMATE ONLY AND THE EXACT LOCATION SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION FROM DAMAGE DURING CONSTRUCTION.
  2. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THE ORIGINAL CONDITION OR BETTER, TO THE SATISFACTION OF THE TOWN OF OAKVILLE AND REGION OF HALTON. BOULEVARDS TO BE RESTORED WITH 200mm TOPSOIL AND SOD.
- PAVEMENT STRUCTURE OF OLD BRONTE ROAD SHALL BE AS FOLLOWS, UNLESS OTHERWISE DIRECTED BY THE GEOTECHNICAL ENGINEER OR THE TOWN OF OAKVILLE:**
- 40mm HL3
  - 80mm HL8
  - 150mm GRANULAR 'A'
  - 350mm GRANULAR 'B'





**AS CONSTRUCTED DRAWING**  
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**NOTE:**  
 REFER TO DRAWING SG1 FOR  
 LOCATION OF CROSS SECTIONS A-A TO C-C



No.	REVISION	DATE	BY
6	AS CONSTRUCTED (URBANTECH)	23-01-17	M.H.
5	UPDATED FINAL SUBMISSION	20-02-27	M.L.
4	FINAL SUBMISSION	19-09-04	S.R.
3	3RD SUBMISSION	19-04-25	S.R.
2	2ND SUBMISSION	18-12-20	S.R.

**THE BRANCH**  
 2444 - 2468 OLD BRONTE ROAD

**REGIONAL MUNICIPALITY OF HALTON**  
**OAKVILLE**  
**TOWN OF OAKVILLE**

TOWN FILE No. SP.#1431.020/01 REGION FILE No.

MUNICIPAL APPROVED IN PRINCIPAL SUBJECT TO DETAIL CONSTRUCTION CONFORMING TO TOWN STANDARDS AND SPECIFICATIONS.

REGIONAL DESIGN OF SANITARY, WATER SERVICES, AND REGIONAL ROAD WORKS APPROVED SUBJECT TO DETAIL CONSTRUCTION CONFORMING TO HALTON REGION STANDARDS AND SPECIFICATIONS AND LOCATION APPROVAL FROM AREA MUNICIPALITY.

SIGNED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 MANAGER OF DEVELOPMENT ENGINEERING

SIGNED: \_\_\_\_\_ DATE: \_\_\_\_\_  
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**GRADING CROSS SECTIONS A-A, B-B, C-C**

DESIGNED: S.R. CHECKED: D.Z. PROJECT No.: 17-538  
 DRAWN: S.R. DATE: DECEMBER 2018 SHEET No.:  
 SCALE: 1:25 DRAWING No.: SG2